NON-LINEAR ELECTRONICS FOR SENSING MAXIMUM DYNAMIC RANGE

Abstract of Disclosure

A current sensing method in an electronic trip unit is described. The method includes the steps of sensing an electrical current and generating an analog input signal having a first amplitude portion and a second amplitude portion that is different than the first amplitude portion, compressing the analog input signal non-linearly by amplifying the first amplitude portion of the analog input signal greater than the second amplitude portion of the analog input signal, and generating a trip signal when any portion of the analog input signal is greater than a pre-determined limit.

Figures